



Gulf of Mexico Harmful Algal Bloom Bulletin

19 January 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 17, 2006

Conditions Report

No impacts are expected in southern Florida.

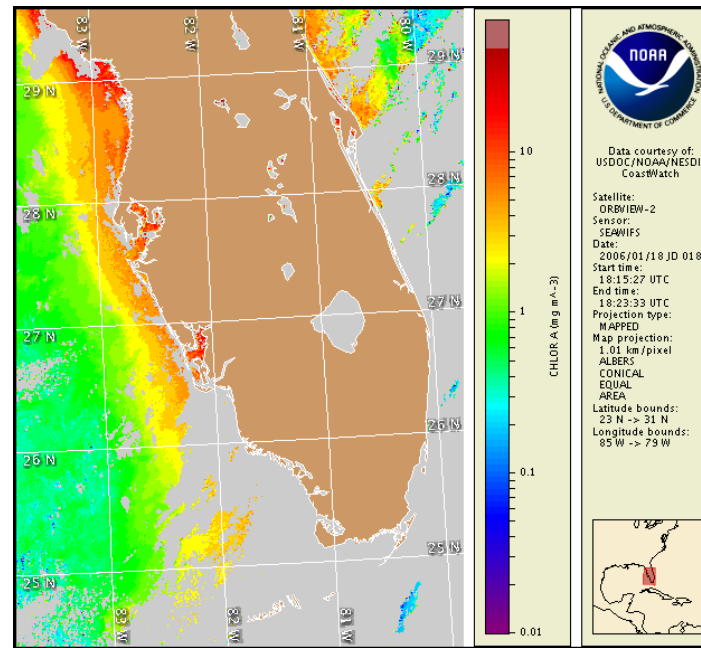
Analysis

SW Florida: The bloom continues to dissipate along SW Florida. Clouds obscure the previously identified high chlorophyll patch offshore at the border of Collier and Monroe Counties. Strong and variable winds will likely continue dissipation of blooms.

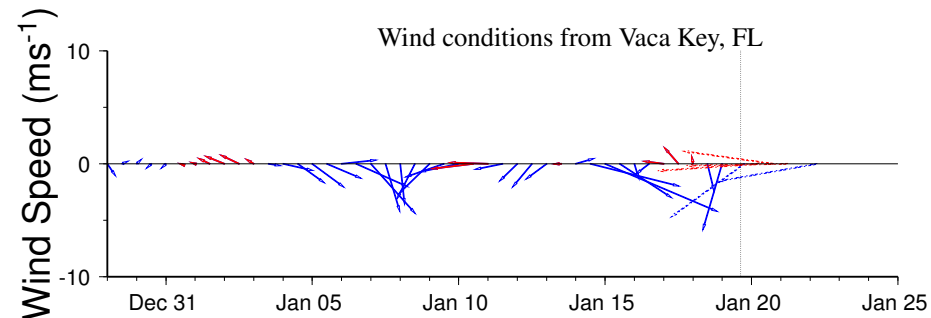
Keys: The harmful algal bloom appears to be dissipating as samples indicate not present to very low concentrations (1/17; FWRI). Imagery indicates a lingering patch northwest of the Keys. Cloudy imagery obscures further analysis. Strong easterlies through Monday may transport the bloom onshore of the oceanside of the Lower Keys.

SE Florida: A new bloom has been identified at Jupiter Inlet, Palm Beach County, with two samples ranging from present to very low (1/5; FWRI). Recommend sampling. Strong onshore winds may increase impacts alongshore.

~Fenstermacher & Keller



Satellite chlorophyll image with possible HAB areas shown by red polygon(s).



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

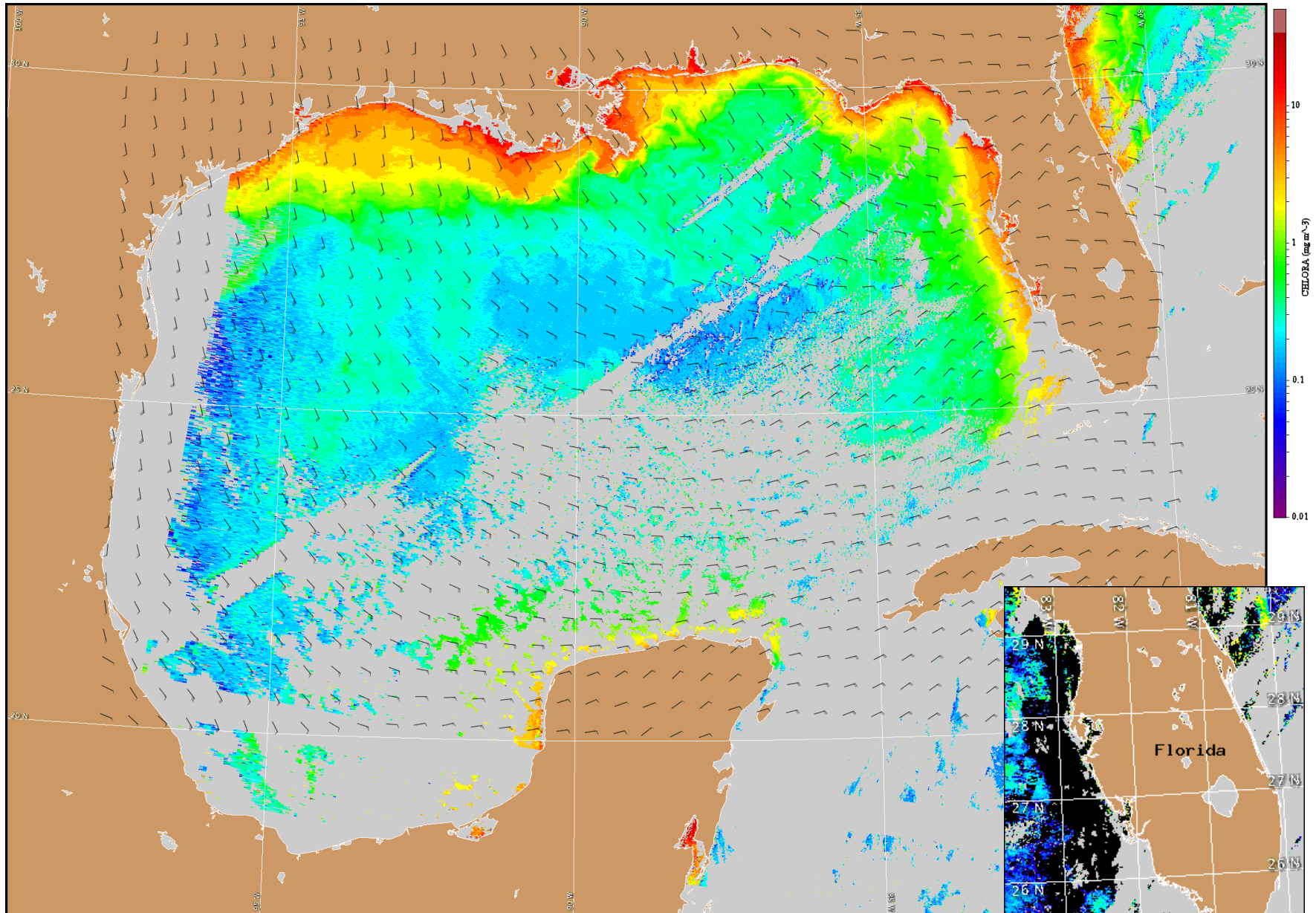
SW Florida: Easterly winds through Friday followed by southeasterlies becoming northeasterlies on Saturday (5-15 knots; 3-8 m/s). Easterlies on Saturday night and Sunday followed by southerlies on Monday (10-15 knots; 5-8 m/s).

Keys: Strong northeast to easterly winds today followed by strong easterlies through Monday (15-20 knots; 8-10 m/s).

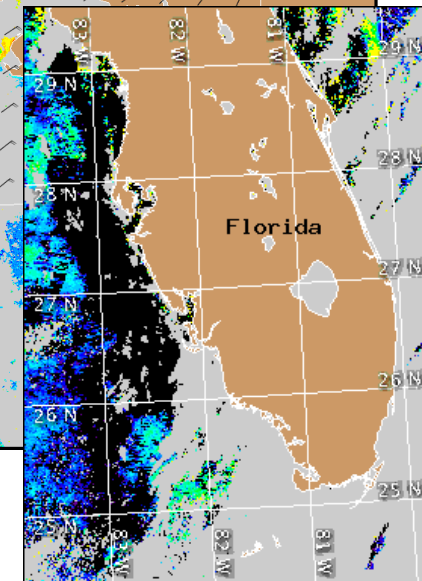
SE Florida: Strong northeasterly winds (15-20 knots; 8-10 m/s) today followed by easterlies on tonight and Friday (10-15 knots; 5-8 m/s). Southeasterlies to easterlies Saturday through Monday (10-15 knots; 5-8 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.

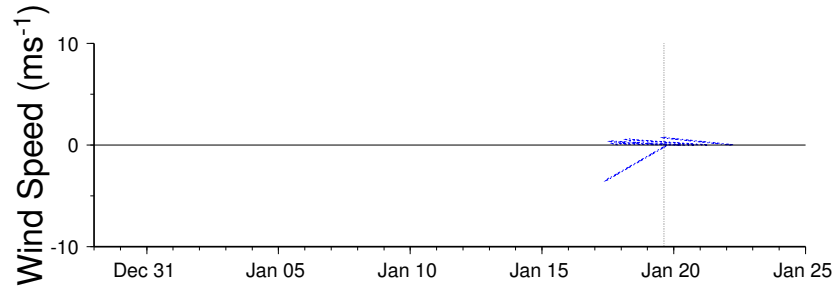


Satellite chlorophyll image and forecast winds for January 20, 2006 06Z.



Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Lake Worth, FL



Wind conditions from Venice Pier, FL

